

FIG. 2A

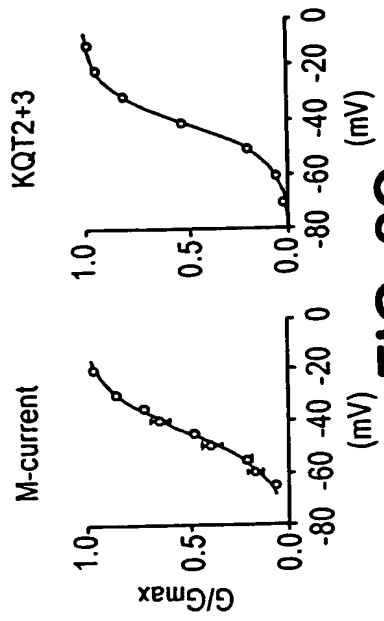


FIG. 2C

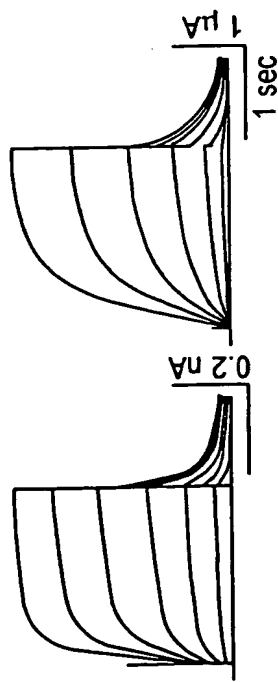


FIG. 2B

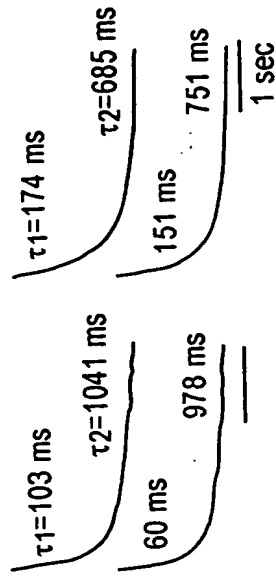


FIG. 2D

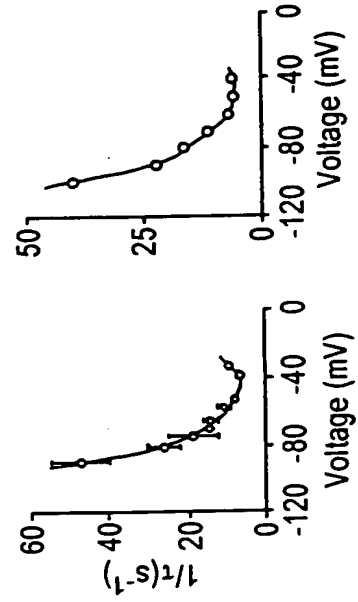


FIG. 2E

3/7

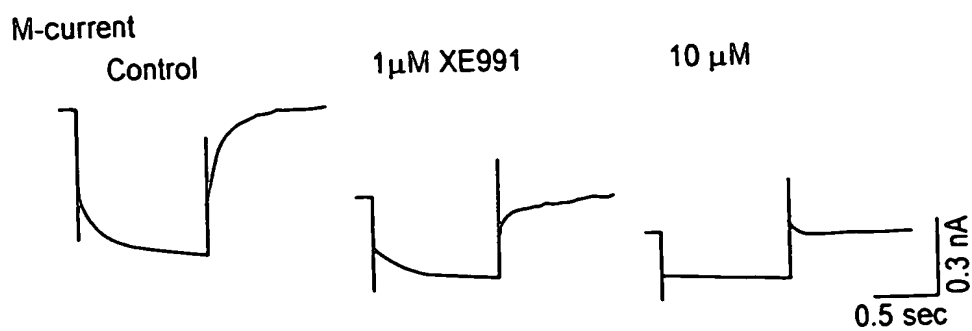


FIG. 3A

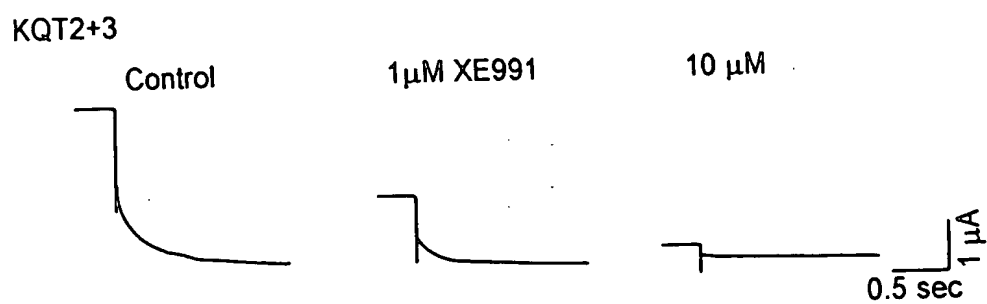


FIG. 3B

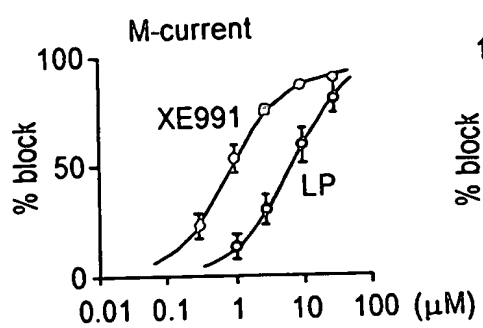


FIG. 3C

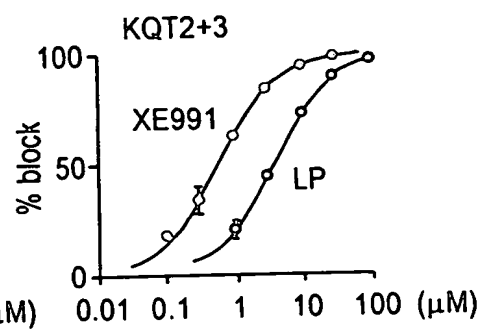


FIG. 3D

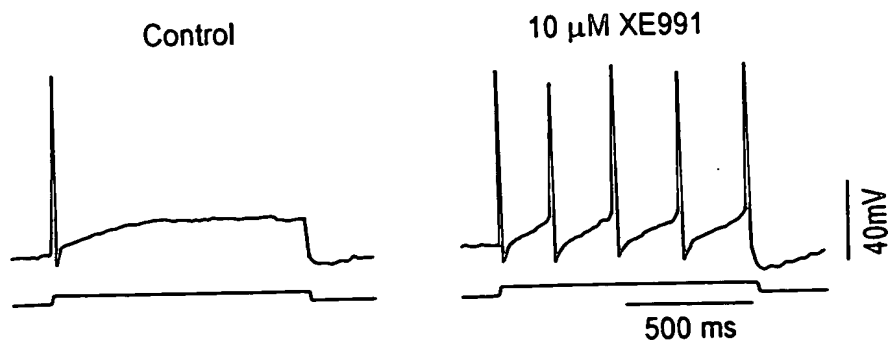
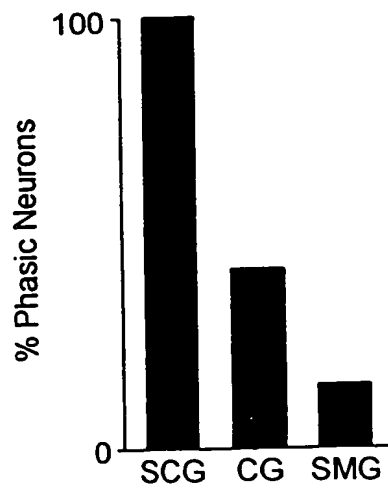
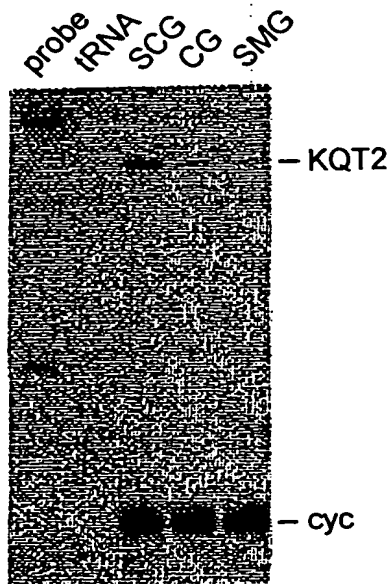
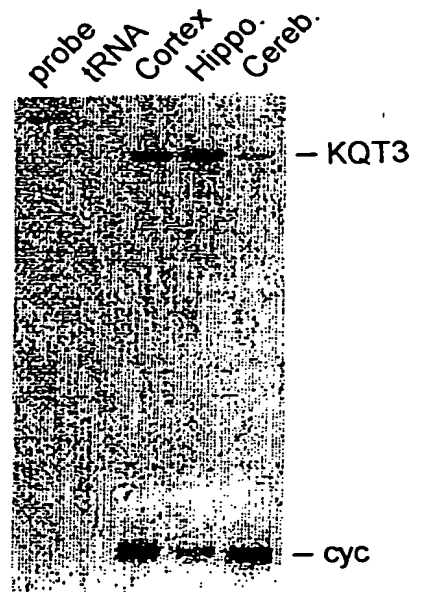
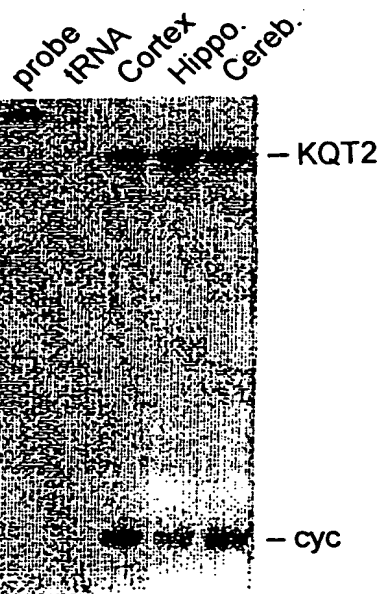
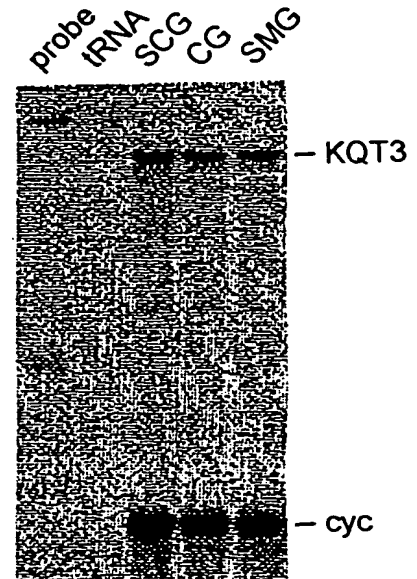


FIG. 3E

**FIG. 4B****FIG. 4C**

Effect of 0.3 μ M XE991 on hKCNQ2
expressed in HEK-293E cells

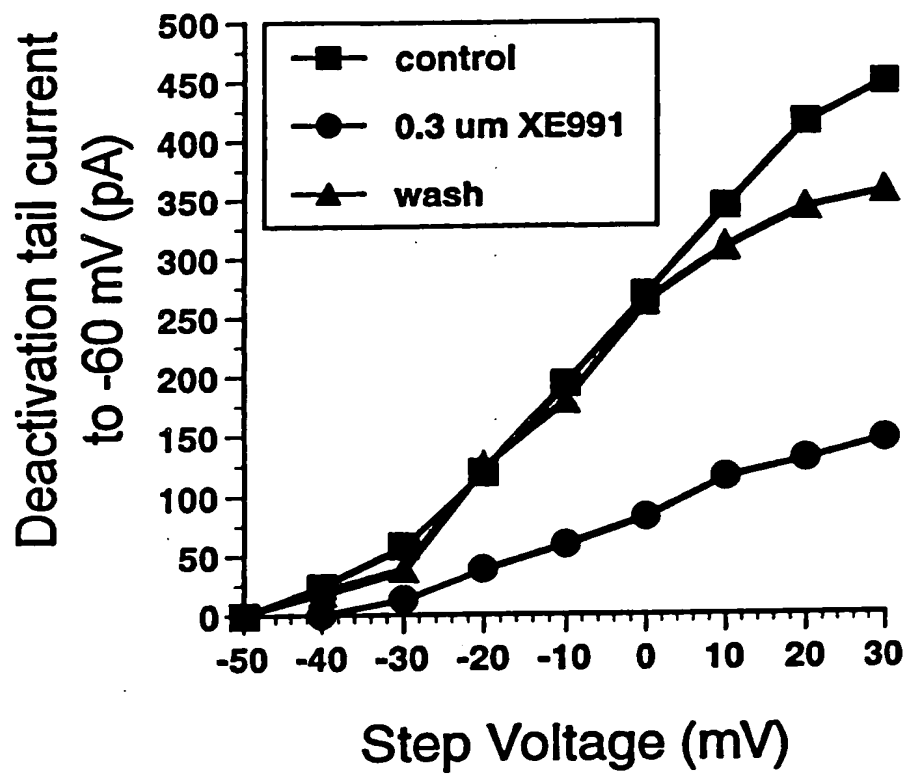


FIG. 5

**Effect of Linopirdine on Voltage-Dependent
Changes in Fluorescence of HEK 293E Cells
Expressing hKCNQ2**

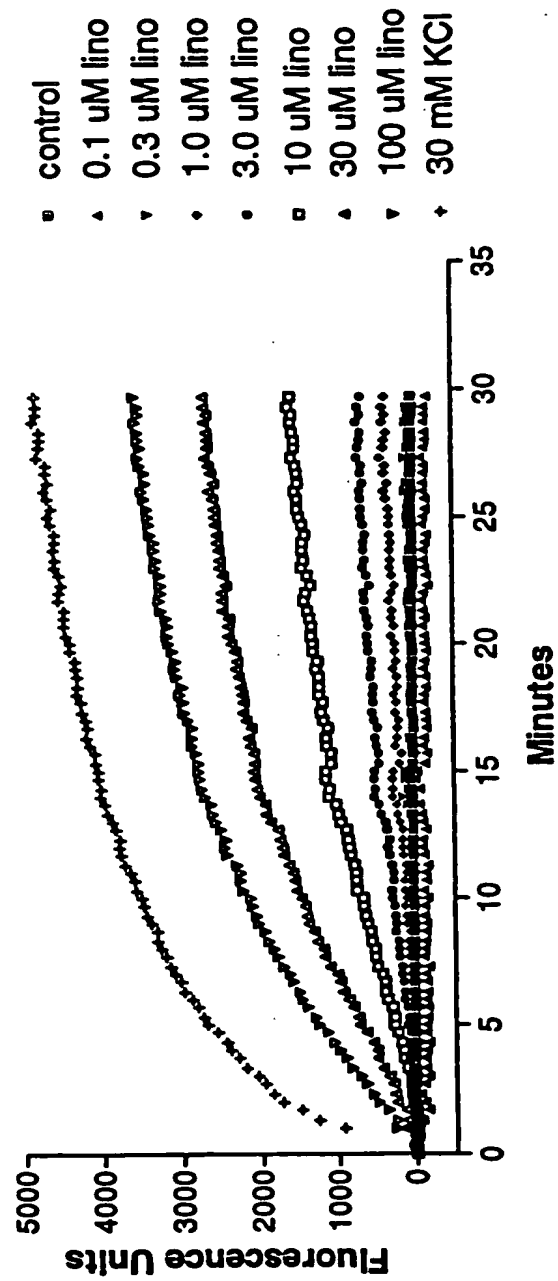


FIG. 6

**Effect of Several Key KCNQ2
Modulators on Voltage-
Dependent Changes in
Fluorescence of HEK 293E
Cells Expressing hKCNQ2**

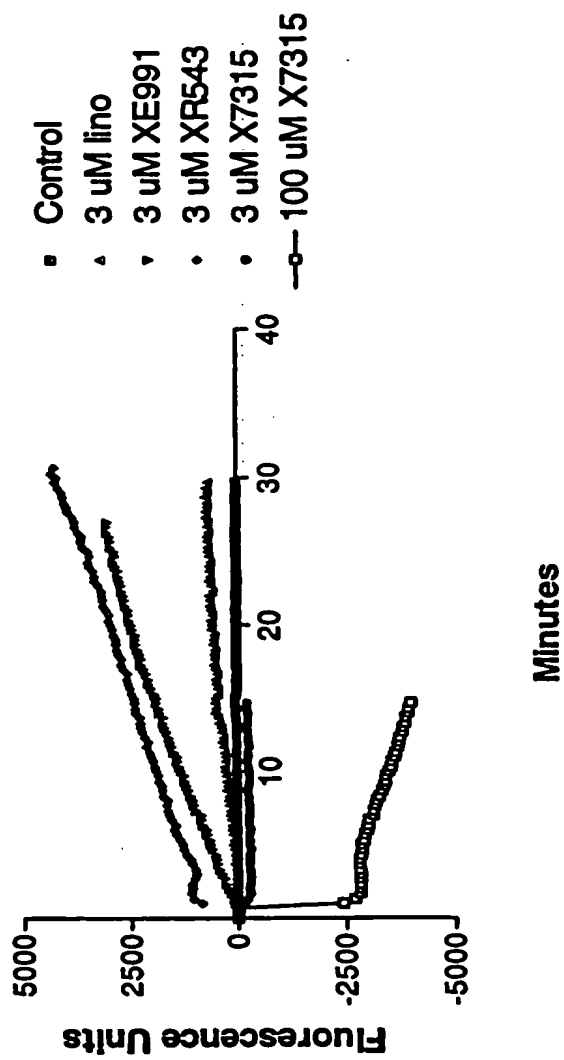


FIG. 7